

Alg. 2 p. 358 Total 15 points

#16  
(2p)

9% growth      0.09       $1 + 0.09 = 1.09$

#22

(2p)

0.08% growth      0.0008       $1 + 0.0008 = 1.0008$

#26

(2p)

$$2^{2x} = 2^{2 \cdot 5} = 2^{10} = 1024$$

#28

(3p)

$$25(2)^z = 25 \cdot 2^{3.3} = 246.2$$

#30

(3p)

$$100(3)^{x-1} = 100(3^{5-1}) = 100 \cdot 3^4 = 8100$$

#34

(3p)

$$100(0.5)^{32} = 100(0.5^{3 \cdot 3.3}) = 100 \cdot 0.5^{9.9} = 0.1$$